

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.3.g 4 O'CLOCK (PEER 9) POWER-UP TESTS FROM LOCAL PANEL

C-A-OPM Procedures in which this Attachment is used.		
4.120.3		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

V. Castillo

4.120.3.a 4 O’CLOCK (PEER 9) POWER-UP TESTS FROM LOCAL PANEL

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ Checksum: _____

Division B Software Filename and Checksum: Title:_____ Checksum: _____

Initial testing complete:

Test Team Leader’s Name (Print): _____ Life Number: _____

Test Team Leader’s Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader’s Name (Print): _____ Life Number: _____

Test Team Leader’s Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head’s Name (Print): _____ Life Number: _____

Safety Section Head’s Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member’s Name (Print): _____ Life Number: _____

RSC Member’s Name (Sign): _____ Date: ____/____/____

1.1 Test Division A for Power-up conditions

PLACE	Peer 9 in Mode 18	
<input type="checkbox"/> VERIFY	Peer 9 is in Controlled Access	MODE 18
RESET	Peer 9 gates: 3GI1, 3EL1, 4GE1, 4MD1, 4MD2, 4GI1 and 4GE2	
<input type="checkbox"/> VERIFY	Peer 9 gates: <input type="checkbox"/> 3GI1, <input type="checkbox"/> 3EL1, <input type="checkbox"/> 4GE1, <input type="checkbox"/> 4MD1, <input type="checkbox"/> 4MD2, <input type="checkbox"/> 4GI1, and <input type="checkbox"/> 4GE2 are	RESET
FORCE SWEEP	Peer 9 Zone 4Z1	
<input type="checkbox"/> VERIFY	Peer 9 Zone <input type="checkbox"/> 4Z1 is	SWEPT
TURN OFF	AC Power to the Peer 9 Division A PLC	
<input type="checkbox"/> VERIFY	AC Power to the Peer 9 Division A PLC is	TURNED OFF
WAIT	30 Seconds	
TURN ON	AC Power to the Peer 9 Division A PLC	
<input type="checkbox"/> VERIFY	AC Power to the Peer 9 Division A PLC is	TURNED ON
<input type="checkbox"/> VERIFY	LCP sees Peer 9 Restricted Access light	OFF
RESET	Div A Hardware Faults	
<input type="checkbox"/> VERIFY	Div A Hardware Faults are	RESET
<input type="checkbox"/> VERIFY	LCP sees Div A Critical Devices	SAFE
<input type="checkbox"/> VERIFY	LCP sees Peer 9 Div A gates: <input type="checkbox"/> 3GI1, <input type="checkbox"/> 3EL1, <input type="checkbox"/> 4GE1, <input type="checkbox"/> 4MD1, <input type="checkbox"/> 4MD2, <input type="checkbox"/> 4GI1 and <input type="checkbox"/> 4GE2 are	NOT RESET
<input type="checkbox"/> VERIFY	LCP sees Peer 9 Div A Crash Systems are	NOT CRASHED
<input type="checkbox"/> VERIFY	LCP sees Peer 9 Div A Zone 4Z1 is	NOT SWEPT
<input type="checkbox"/>	Check for Acceptance of Test of Division A for Power-up conditions	

1.2 Test Division B for Power-up conditions

PLACE	Peer 9 in Mode 18	
<input type="checkbox"/> VERIFY	Peer 9 is in Controlled Access	MODE 18
RESET	Peer 9 Div A gates: 3GI1, 3EL1, 4GE1, 4MD1, 4MD2, 4GE2, 4GI1,	
<input type="checkbox"/> VERIFY	Peer 9 Div A gates: <input type="checkbox"/> 3GI1, <input type="checkbox"/> 3EL1, <input type="checkbox"/> 4GE1, <input type="checkbox"/> 4MD1, <input type="checkbox"/> 4MD2, <input type="checkbox"/> 4GE2, <input type="checkbox"/> 4GI1 are	RESET
FORCE SWEEP	Peer 9 Zone 4Z1	
<input type="checkbox"/> VERIFY	Peer 9 Zone <input type="checkbox"/> 4Z1 are	SWEPT
TURN OFF	AC Power to the Peer 9 Division B PLC	
<input type="checkbox"/> VERIFY	AC Power to the Peer 9 Division B PLC is	TURNED OFF
WAIT	30 Seconds	
TURN ON	AC Power to the Peer 9 Division B PLC	
<input type="checkbox"/> VERIFY	AC Power to the Peer 9 Division B PLC is	TURNED ON
<input type="checkbox"/> VERIFY	LCP sees Peer 9 Restricted Access light	OFF
RESET	Div B Hardware Faults	
<input type="checkbox"/> VERIFY	Div B Hardware Faults are	RESET
<input type="checkbox"/> VERIFY	LCP sees Div B Critical Devices	SAFE

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|--------------------------|---|---|--------------------|
| <input type="checkbox"/> | VERIFY | LCP sees Peer 9 Div B gates: <input type="checkbox"/> 3GI1, <input type="checkbox"/> 3EL1, <input type="checkbox"/> 4GE1, <input type="checkbox"/> 4MD1, <input type="checkbox"/> 4MD2, <input type="checkbox"/> 4GE2, <input type="checkbox"/> 4GI1 are | NOT RESET |
| <input type="checkbox"/> | VERIFY | LCP sees Peer 9 Div B Crash Systems are | NOT CRASHED |
| <input type="checkbox"/> | VERIFY | LCP sees Peer 9 Div B Zones are | NOT SWEPT |
| <input type="checkbox"/> | PLACE | Peer 9 in Restricted Access (Mode 9) | |
| <input type="checkbox"/> | VERIFY | Peer 9 is in Restricted Access | MODE 9 |
| <input type="checkbox"/> | Check for Acceptance of Test of Division B for Power-up conditions | | |

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____